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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/422,196	10/21/1999	DIMITRI KANEVSKY	12835-(YO999	5233

7590

09/11/2003

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EXAMINER

TRUONG, THANHNGA B

ART UNIT PAPER NUMBER

2172

DATE MAILED: 09/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/422,196

Applicant(s)

KANEVSKY ET AL.

Examiner

Thanhnga Truong

Art Unit

2172

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 October 1999.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-52 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-52 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-52 are rejected under 35 U.S.C. 102(e) as being anticipated by Schneck (US 6, 314, 409 B2).

a. Referring to claim 1:

i. Schneck teaches:

(1) means for determining fulfillment of one or more certain conditions at said destination location [i.e., **Figure 5, package rules 152, the access mechanism 114 allows a user 104 to access the data in packaged data according to the rules provided with (as package rules 152) the packaged data and prevents the user or anyone else from accessing the data other than as allowed by the rules (column 15, line 31-35)]].**

(2) control means responsive to detection of a fulfilled one or more certain conditions for enabling access to content provided in a communicated package, whereby said access includes enabling a user to perform an operation on said package content at said destination location [i.e., **all components of the access mechanism are packaged in such a way as to exclude any unknown access by a user and to discover any such attempt at user access to the components or their contents. That is, the access mechanism is packaged in a tamper-detectable manner, and, once tampering is detected, the access mechanism is disable (column 15, line 62-67)]].**

b. Referring to claim 2 which depends on claim 1:

i. Schneck further teaches:

(1) wherein said electronic information packages include content comprising one or more of: e-mail messages, audio data, video data, animation data, textual data, and pictorial data [i.e., **Figure 15, data 106, digitally stored information may include binary data, computer software, text, graphics, audio, video, and the like, alone or in combination (column 10, line 6-9).**]

c. Referring to claim 3 which depends on claim 2:

i. Schneck further teaches:

(1) means for automatically destroying a received electronic information package in response to detection of a fulfilled one or more certain conditions [i.e., **tamper detection allows the access mechanism to ensure that all internal data (both the system's data and any user data) are destroyed before any tamperer can obtain them (column 16, line 27-30).**]

d. Referring to claim 4 which depends on claim 3:

i. Schneck further teaches:

(1) wherein a fulfilled one or more certain condition includes detection of one or more elapsed time intervals, said system further comprising means for determining elapsed time from receipt of an electronic information package, said means generating a signal for destroying the received electronic information package after a time interval has elapsed [i.e., **control of expiration dates, time of use, number and frequency of uses and permitted users. For example, rights to use a file of data (whatever it contains) may expire on a certain date; access to certain data may be limited to certain time of day, days of week or specific dates (column 31, line 1-5); tamper detection allows the access mechanism to ensure that all internal data (both the system's data and any user data) are destroyed before any tamperer can obtain them (column 16, line 27-30).**]

e. Referring to claim 5 which depends on claim 4:

i. Schneck further teaches:

(1) wherein said elapsed time interval is specified by a sender at said sending device, said electronic information package further comprising a specification of one or more time-out intervals for use by said elapsed timing means **[i.e., a user may only be allowed to access certain data a specified number of times, or a specified number of times per day (column 31, line 6-7)]**.

f. Referring to claim 6 which depends on claim 5:

i. This claim has limitations that are similar to those of claim 2, thus it is rejected with the same rationale applied against claim 2 above.

g. Referring to claim 7 which depends on claim 5:

i. Schneck further teaches:

(1) wherein said operations enabled to be performed on said package content at said destination device include playing audio data on one or several speakers at said destination location **[i.e., the display or output devices used will depend on the application, and the type of data, and include, but are not limited to printers, video display monitor, audio output devices, and the like (column 17, line 37-40)]**.

h. Referring to claim 8 which depends on claim 3:

i. Schneck further teaches:

(1) wherein said access includes forbidding a user to perform an operation on said package content at said destination device, said operations that are forbidden to be performed on received information packages include one or more of: saving, copying and downloading the received information package content in a memory storage device and printing said package content at said at a destination location **[i.e., some parameters are independent of any other parameters; some parameters are mutually exclusive; and other parameters must be used in combination to define fully the actions to be allowed or disallowed: no modify, no copy, no print, no execute, no access, etc. (column 23, line 13-45)]**.

i. Referring to claims 9, 25, 30, 42, and 44:

i. These claims have limitations that are similar to those of claim 3, thus it is rejected with the same rationale applied against claim 3 above.

j. Referring to claim 10 which depends on claim 8:

i. Schneck further teaches:

(1) wherein said means for determining fulfillment of one or more certain conditions at said destination device further includes means for receiving a direct command signal from a sender at a sending device, said sender command triggering destruction of said electronic information package **[i.e., the rules can specify various access rights and controls, including rights of further distribution of the data, which are destroyed when tampering is detected (column 7, line 55-60)]**.

k. Referring to claim 11 which depends on claim 8:

i. Schneck further teaches:

(1) wherein said means for determining fulfillment of one or more certain conditions at said destination device further comprises means for detecting changes in physical hardware devices that are not related to the process of displaying or playing information packages at destination locations, said physical hardware devices including CPU, memory or peripherals at said destination device, said destroying means automatically destroying a received electronic information package in response to said detection **[i.e., the coprocessor is protected by tamper detection that causes the rules, cryptographic data, and decrypted protected data to be destroyed. Both passive and active means are used to effect such destruction. Semiconductor memory is volatile and does not retain data when power is removed (column 8, line 39-44)]**.

l. Referring to claims 12, 26, 33, 43, and 47:

i. These claims have limitations that are similar to those of claim 4, thus it is rejected with the same rationale applied against claim 4 above.

m. Referring to claim 13:

i. Schneck further teaches:

(1) wherein said means for detecting an attempted performance of a forbidden operation at the destination location, includes means operable in conjunction with an operating system at said destination device, for

detecting invocation of one or several processes running in CPU or memory at said destination location that are related to one or more of: copying, downloading, printing, and saving, received electronic information packages **[i.e., the operating system is notified of the termination of each program so that it may close any files opened by the program. Because it is possible that multiple programs may be executing at the same time, the system will remain in a protected state until all active programs conclude their execution (column 19, line 15-20)]**.

n. Referring to claim 14 which depends on claim 9:

i. Schneck further teaches:

(1) wherein said means for detecting an attempted performance of a forbidden operation at the destination location, includes means operable in conjunction with an operating system at said destination device, for detecting a pressing of a key on a keyboard operable for said destination device **[i.e., degrees of protection utilized in the computer system hardware (for example, tamperproof and tamper-detect features) and the cryptographic tools will depend on the nature of the data to be protected as well as the user environment (column 7, line 10-14)]**.

o. Referring to claim 15 which depends on claim 1:

i. Schneck further teaches:

(1) wherein said means for determining fulfillment of one or more certain conditions at said destination location includes identification means for identifying a user at said destination location for which access to these information packages is allowed **[i.e., Figure 3, token/biometrics 146 indicates the physical tokens and/or biometric characteristics (if any) required for identification of each authorized user (column 11, line 40-44)]**.

p. Referring to claim 16 which depends on claim 15:

i. Schneck further teaches:

(1) wherein said identification means includes video camera system for generating video signals at said destination device and a display device for receiving and displaying video signals at said sending device, said video

camera system enabling a sender at a sending device to observe users attempting to read or play information package content at a destination device [i.e., **the out put signal is protected by making it unavailable outside the access mechanism. A sealed-unit computer with tamper detection provides the necessary protection, which include lap-top computers and the original computer, as well as integrated televisions, VCRs and video or audio laser disk players (column 8, line 21-27)]**].

q. Referring to claim 17 which depends on claim 15:

i. Schneck further teaches:

(1) wherein said identification means for identifying a user at said destination location comprises:

(a) means for enabling users to present a password to said system [i.e., **the invention can be used in combination with software and other identification technology to limit data access to users that possess an appropriate physical or logical token (for example, a dongle or password) (column 24, line 66-67 and column 25, line 1-3)]**; and,

(b) verification means for verifying a user's password prior to enabling access to said information package [i.e., **permission list consists of rules governing the qualities and quantities of access made available by the owner to a particular user or group or class of users, and defines those ways in which the user may (and may not) interact with the owner's data/information (column 23, line 66-67 and column 24, line 1-3)]**].

q. Referring to claim 18 which depends on claim 15:

i. Schneck further teaches:

(1) wherein said identification means for identifying a user at said destination location comprises means for enabling users to present a data for authentication/verification that include one or more of the following: biometrics, fingerprint, and voice data [i.e., **other identification technology (for example, biometric sensors) or personal characteristic (for example, a fingerprint pattern) (column 24, line 67 and column 25, line 3-4)]**].

r. Referring to claim 19 which depends on claim 1:

i. Schneck further teaches:

(1) wherein said means for determining fulfillment of one or more certain conditions at said destination location includes identification means for identifying an electronic system at said destination location for which access to these information packages is allowed **[i.e., may be limited to a particular computer system, a particular token (such as a smart card) (column 24, line 11-12)]**.

s. Referring to claim 20 which depends on claim 19:

i. Schneck further teaches:

(1) wherein said electronic system trying to access information packages comprises a communication process that supports transferring electronic package content via a communication channel to new destination locations **[i.e., Figure 1, the data distributor 102 takes data 106 and produces packaged data 108 which are provided to the user 104 via communication channel 105 (column 9, line 55-57)]**.

t. Referring to claim 21 which depends on claim 19:

i. Schneck further teaches:

(1) wherein said electronic system trying to access information packages comprises an automated process capable of understanding information package content and performing necessary operations as required for playing said content **[i.e., the entire process can be automated (column 30, line 7)]**.

u. Referring to claim 22 which depends on claim 19:

i. Schneck further teaches:

(1) wherein said electronic system trying to access information packages comprises a robotic device **[i.e., computer control of processes is basis for automation and quality control in many industries. This technology extends into various specialties such as robotics, robotic programming languages, etc. (column 31, line 34-40)]**.

v. Referring to claim 23 which depends on claim 1:

i. Schneck further teaches:

(1) wherein said electronic information packages communicated from a sending device to a device at one or more destination locations, is communicated over a communications channel including one or more of: telephone wires, wireless channels, radio links, network data connection [i.e., **data provided to user may be provided and distributed in various ways, including but not limited to, via digital communications networks (for example the internet), magnetic media, CD-ROM, semiconductor memory modules, and wireless (column 15, line 10-19)]**].

w. Referring to claims 24 and 41:

i. These claims have limitations that are similar to those of claim 1, thus it is rejected with the same rationale applied against claim 1 above.

x. Referring to claim 27:

i. This claim has limitations that are similar to those of claim 5, thus it is rejected with the same rationale applied against claim 5 above.

y. Referring to claim 28:

i. This claim has limitations that are similar to those of claims 2 and 7, thus it is rejected with the same rationale applied against claims 2 and 7 above.

z. Referring to claim 29:

i. This claim has limitations that are similar to those of claim 8, thus it is rejected with the same rationale applied against claim 8 above.

aa. Referring to claims 31 and 45:

i. These claims have limitations that are similar to those of claim 10, thus it is rejected with the same rationale applied against claim 10 above.

ab. Referring to claims 32 and 46:

i. These claims have limitations that are similar to those of claim 11, thus it is rejected with the same rationale applied against claim 11 above.

ac. Referring to claims 34 and 48:

i. These claims have limitations that are similar to those of claim 13, thus it is rejected with the same rationale applied against claim 13 above.

ad. Referring to claims 35 and 49:

i. These claims have limitations that are similar to those of claim 14, thus it is rejected with the same rationale applied against claim 14 above.

ae. Referring to claims 36 and 50:

i. These claims have limitations that are similar to those of claim 15, thus it is rejected with the same rationale applied against claim 15 above.

af. Referring to claim 37:

i. This claim has limitations that are similar to those of claim 16, thus it is rejected with the same rationale applied against claim 16 above.

ag. Referring to claims 38 and 51:

i. These claims have limitations that are similar to those of claim 17, thus it is rejected with the same rationale applied against claim 17 above.

ah. Referring to claims 39 and 52:

i. These claims have limitations that are similar to those of claim 18, thus it is rejected with the same rationale applied against claim 18 above.

ai. Referring to claim 40:

i. This claim has limitations that are similar to those of claim 19, thus it is rejected with the same rationale applied against claim 19 above.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Kobata et al (US 6, 591, 367 B1) discloses a receiving system which can receive a message from a sending system, for example, over a network or from local media. The message can be email message, the contents of a Web page, music, or software, etc. The receiving system cannot copy, modify, save, forward, or capture any portion of the generated message (see abstract).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanhnga (Tanya) Truong whose telephone number is 703-305-0327.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 703-305-4393. The fax phone

Art Unit: 2172

number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

TBT
September 2, 2003



KIM VU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100